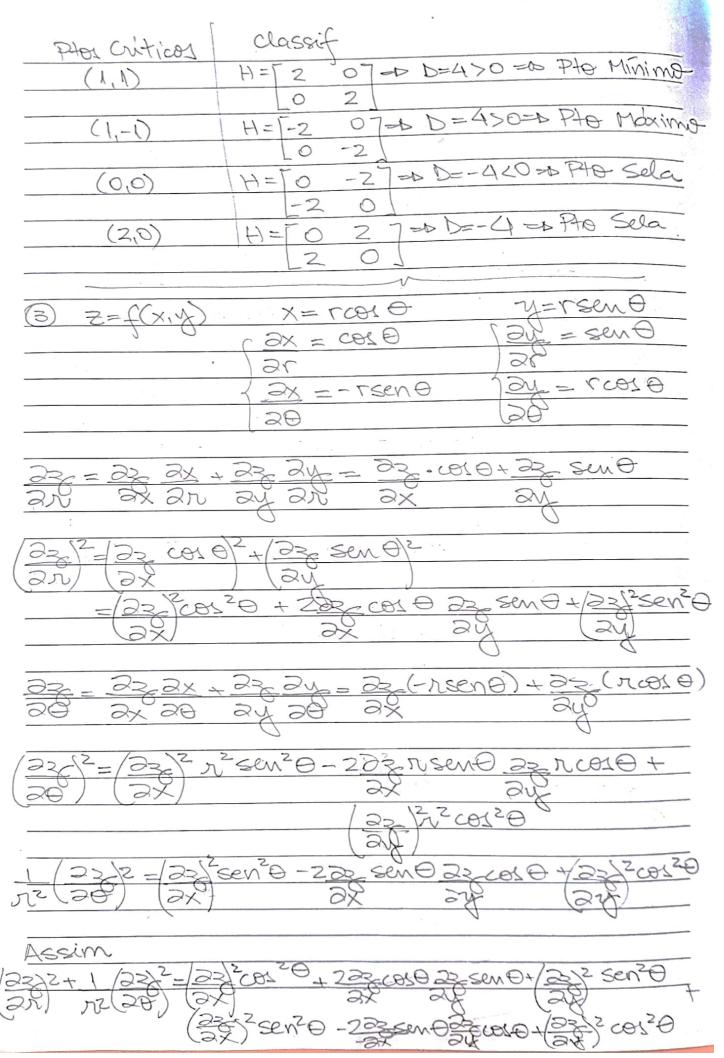
20		TWG.	_	200 1000	_
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Ministério da Educação

UFPR	UNIVERSIDADE FEDERAL DO PARANÁ Setor de Ciências Exatas		Nota:
		Disciplina:	
	japarito		
Curso:		Professor:	
Aluno:	( D) A)		
Turma:			_ Data: / /
0 2=	=(xe4)7 2	X= \	
			dy=0,015
33 =	7et(xet)6 -D	======================================	1.16=7
22-	7xet(xet) ==		
20	(//0 -0 -0 -)	34	17.01.17
0			
d==	23 dx + 23 dy	7.F+10,D.F=	0,015 = 7.0,025
	SX QV	3	
d==	0,175	ole 0,015) = (1.	+ d2
	0° ()	ole ) = (1.	() 4 0, (75 = 1,17)
2 01	(V.1) = 113 DIVI +	~ <sup>2</sup> ,	
	(x,y)= 43-2xy+	× 4.	
xe.s. of	=-2y+2xy>0	= 14(2x-2)=0	→ ) X = (
20/ 20/	9 9	0	1420.
7 26	= 42-2X+x20		
21	+		
C0 2/	1 = 112 7.150		2 7 7
SC X=	10 2-2+120	Se 4-0:	x=zx=0 X(x-z)>0
	71-41		
(),	#1) J=#1	(0,0)	X=0,2.
	,	<u></u>	
xe.s/	H= 24 -2+2	-x7	
5	-2+2x 2y		Land Control
7/			
h=341		17.7	



12302 + 1/222 = 122 (CO)	20+cen30) + 22/2 (sen30+com
$ \frac{\partial^2 d^2 + 1}{\partial x^2} + \frac{\partial^2 d^2}{\partial x^2} +$	(24)
= = = = = = = = = = = = = = = = = = = =	32/2
	20 Lecons quiriamos
	mestran.
(A) a) Seja (7f(0, 1/2) = < 0	2,62,
$Duf(0, \sqrt{2}) = \nabla f(0, \sqrt{2}) \cdot (\frac{3}{5}, \frac{5}{5})$ $Duf(0, \sqrt{2}) = \nabla f(0, \sqrt{2}) \cdot (\frac{4}{5}, \frac{5}{5})$	15>= <a,6×35,45>=75 3/5&gt;=<a,6>&lt;45,3/5&gt;=1/5</a,6></a,6×35,45>
	+46=2=0) $9a+12b=6-3b=11$ ] $6a-12b=44$
Df(0,1/2)=	25a = 50 (2,-1) $a = 2$ . b = -1
b) Duf(0, \(\frac{1}{2}\) = \(\frac{1}{2}\) - \(\frac{1}{2}\) - \(\frac{1}{2}\)	(2,1)=(2,-1)(1)
5 L(x,y) = xy²-λ(2x²+η	(2-24)
$\frac{\partial L}{\partial x} = \frac{\chi^2 - \chi(4x) = 0}{\sqrt{4x}}$	
3L = 2xy - 2(2y)=0 =0	24(x-1)=0=0) n=0
212-0 -0 2x2+ y2= 24	
Se y=0 =0 2x2+ y2= 24	Se 1=x =0 1/2=4x2
	1 = ±2×
X=±1121	$2x^{2}+4x^{2}=24$
	x <sup>2</sup> =4
	x=+2=0 4=+4

